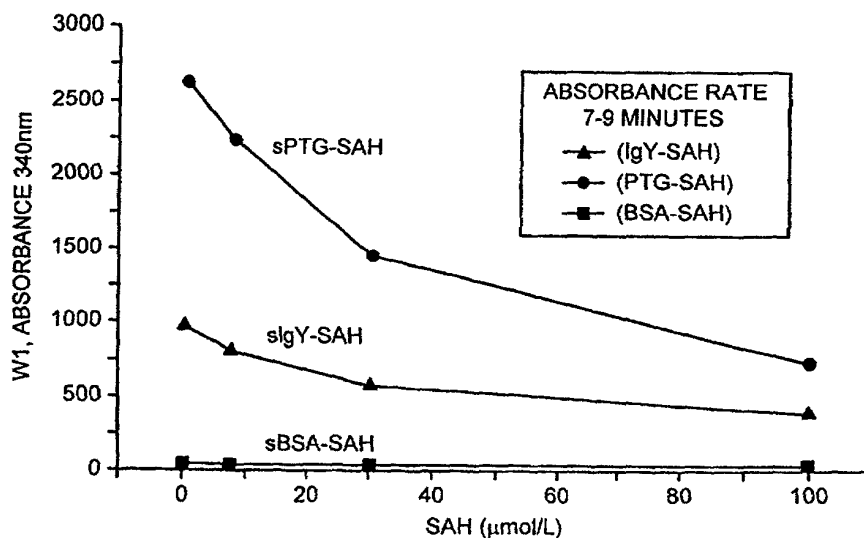




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## (54) Title: ASSAY FOR HOMOCYSTEINE



## (57) Abstract

The invention provides a method for assaying homocysteine in a sample, said method comprising: contacting said sample with two or three stable aqueous reagents containing a polyhapten, a homocysteine converting enzyme, a primary antibody capable of binding to said polyhapten whereby to produce a complex, and if desired one or more of a co-substrate for said homocysteine converting enzyme, a reducing agent, a further enzyme capable of converting said co-substrate or a conversion product of said homocysteine converting enzyme, and a second antibody capable of binding to said complex, said primary antibody also being capable of binding to said co-substrate or a conversion product of one of said enzymes whereby the quantity of said complex produced is indicative of the content of homocysteine in said sample; and photometrically detecting said complex.